

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-17357
Exam Date: 09/10/2018

1. Current Owner:
THOMAS F MILDNER BOX 2811 COEUR D ALENE ID 83816 AND/OR
BARBARA A MILDNER BOX 2811 COEUR D ALENE ID 83816
2. Accompanied by: Thomas Mildner / In-office exam / drive-by
Phone No: (503) 780-6403
Address: Same as above
Relationship to permit Holder: Permit holder

3. **SOURCE:**
COEUR D ALENE LAKE

Tributary
SPOKANE RIVER

Method of Determination: Arcmap and DRG

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-17344	GROUND WATER	DOMESTIC	RECOMMENDATION

Comments: 95-17344 is for domestic water use from a well.

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

COEUR D ALENE LAKE NW¼ SW¼, Sec. 30, Twp 49N, Rge 03W, B.M. KOOTENAI County

Method of Determination: Map and GPS. POD is located at -116°47.156, 47°33.540.

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
49N	03W	30										0.5							0.5

Total Acres: 0.5

Method of Determination: Arcmap.

3.

- ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components.
☒ Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Franklin	1	281084915		

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: No measurement is required for an in-house exam.

E. FLOW CALCULATIONS

Flow measurement not required as per IDAPA RULE 37.03.02.035.01.r.iii.

F. DIVERSION RATES

The diversion rate for this irrigation right is limited to 0.04 CFS or 18.0 GPM.

G. VOLUME CALCULATIONS

The annual volume for this domestic right is limited to = 1.5 AF.

This right is from a surface water source, and does not receive an annual volume.

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house field examination. A drive by was performed and GPS was used for the POD, and verified irrigation on the property. Photographs were taken to show the irrigation and POD.

The permit was authorized for 0.04 cfs or 18 gpm. The applicant had applied for a greater diversion rate to irrigate in a smaller time window than our standard irrigation rate of 0.03 cfs per acre. A Franklin 1 HP pump was found during exam, and a measurement was unable to be taken. A theoretical pumping equation for a surface water pump is challenging and inaccurate. The diversion rate that was applied for on the permit will be issued on the license because they have justified a need for an increased diversion rate. The measurement of a diversion rate is covered by in-house rules and thus the license will be issued for 0.04 cfs.

The place of use was challenging to confirm via aerial photography using older imagery. New 2019 imagery was used to trace out the actual irrigated areas, which was equal to 0.5 acres. Field examiner also confirmed the irrigated land was around a half acre in size. The surface water sources do not receive an annual volume, but is limited to 3 AF per acre.

Condition 928 was added to address an overlap with recommendation 95-17344. Recommendation 95-17344 is for domestic use from a well, which includes up to ½ acre of irrigation. All other conditions will remain from permit.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
IRRIGATION	03/15 to 11/15	0.04 CFS	0.0 AF

Totals: 0.04 CFS

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. AUTHENTICATION Luke Bates - Water Resource Agent

Field Examiner's Name Adam Fink Date 3/20/2020

Reviewer ZAB Date 3/19/2020

State of Idaho
Department of Water Resources
Attachment to Field Exam
95-17357

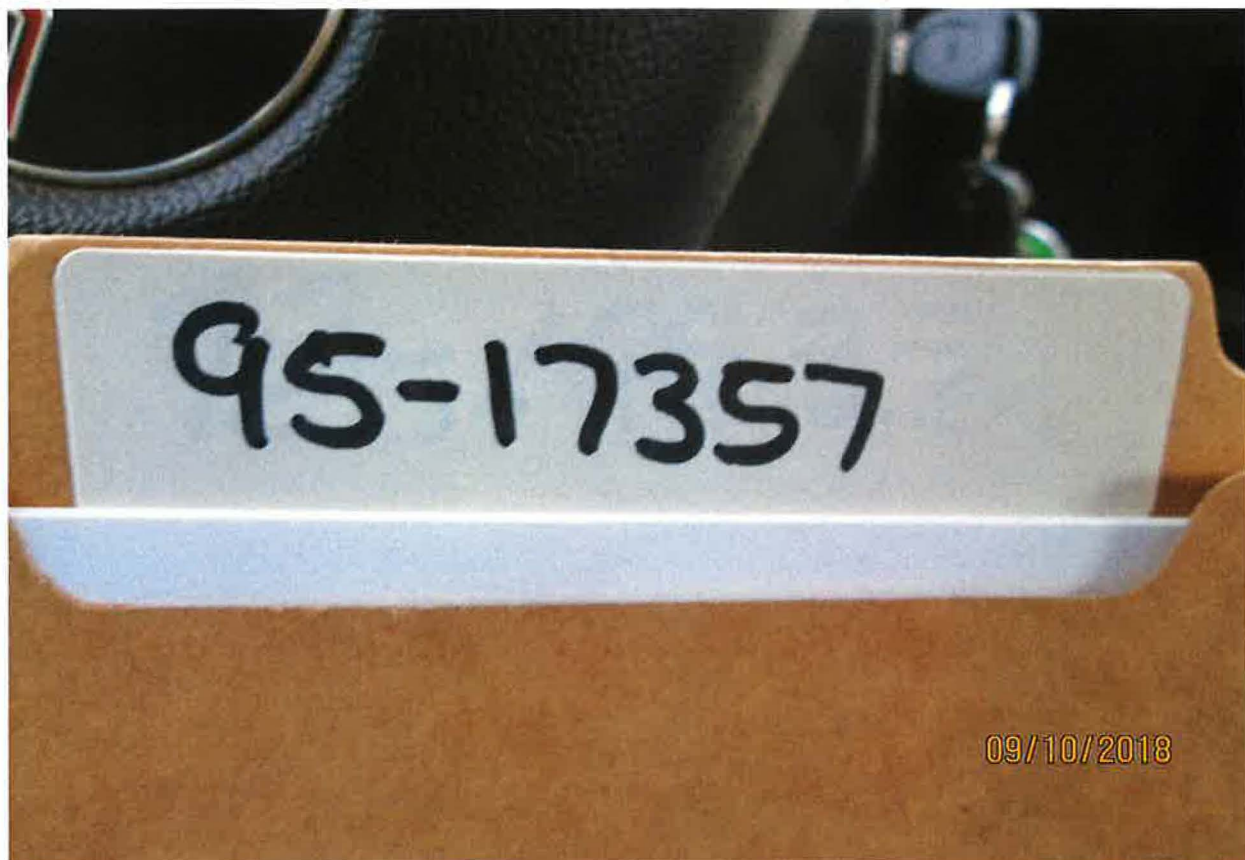
IRRIGATION system diagram



- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections
- Quarter Quarters

0 0.035 0.07 0.14 Miles





POD



Franklin 1 HP pump.



Water diverted from lake directly into pressure tank.



Irrigation POU.





Irrigation POU.

